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Textiles — Determination of certain preservatives —

Part 2: Determination of triclosan residues method using LC-MS/MS

Textiles — Détermination de certains conservateurs —

Partie 2: Détermination des résidus de triclosan par une méthode utilisant LC-MS/MS

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 38, *Textiles*.

A list of all parts in the ISO 22992 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Textiles — Determination of certain preservatives —

Part 2: Determination of triclosan residues method using LC-MS/MS

WARNING — This document calls for the use of substances and/or procedures that can be injurious to health if adequate precautions are not taken. It refers only to technical suitability and does not absolve the user from legal obligations relating to health and safety at any stage. It has been assumed in the drafting of this document that the execution of its provisions is entrusted to appropriately qualified and experienced people.

1 Scope

This document specifies a method for determination of triclosan residues in textiles by high performance liquid chromatography — tandem mass spectrometry (HPLC-MS/MS).

This method is applicable to all kinds of textile products.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3696, *Water for analytical laboratory use — Specification and test methods*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

4 Principle

The triclosan is extracted from textile specimen by ultrasonic generator with methanol. After being concentrated and diluted to volume, the residue is determined by HPLC-MS/MS, quantified by external standard method.

Statistical data of interlaboratory trial is given in Annex B.

5 Reagents

5.1 Water, grade 1 water specified in ISO 3696.

5.2 Methanol, HPLC grade.